

ABSTRACT

A device, system and method for adaptation of a collision avoidance mechanism or parameters of such mechanisms for a wireless network. For example, parameters of a contention window mechanism, a request-to-send mechanism, or other delay or collision avoidance mechanisms, may adaptively or dynamically be set or modified. For example, a size of a contention window of a collision avoidance mechanism may be adapted, set or modified, for example, based on an estimated number of active stations of a communication network. A network device may, for example, adaptively or dynamically modify a property or a parameter used for calculation of the size of a contention window. Such modification may be performed, for example, in relation to a parameter or a property of a wireless communication network, such as a probability of collisions or an estimated number of active wireless communication devices.